



IFWO

RAW SEQUENCE LISTING

DATE: 08/11/2004

PATENT APPLICATION: US/10/758,902

TIME: 16:16:01

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\08112004\J758902.raw

4 <110> APPLICANT: Stirpe, Fiorenzo
 5 Bolognesi, Andrea
 7 <120> TITLE OF INVENTION: Type-1 Ribosome-Inactivating Protein
 10 <130> FILE REFERENCE: PNJ-005CN
 12 <140> CURRENT APPLICATION NUMBER: 10/758902
 13 <141> CURRENT FILING DATE: 2004-01-16
 15 <150> PRIOR APPLICATION NUMBER: US 09/445160
 16 <151> PRIOR FILING DATE: 2000-03-10
 18 <150> PRIOR APPLICATION NUMBER: EP 97201725.5
 19 <151> PRIOR FILING DATE: 1997-06-06
 21 <150> PRIOR APPLICATION NUMBER: PCT/NL98/0336
 22 <151> PRIOR FILING DATE: 1998-08-06
 24 <160> NUMBER OF SEQ ID NOS: 9
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 30
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Bougainvillaea Spectabilis
 33 <400> SEQUENCE: 1
 34 Tyr Asn Thr Val Ser Phe Asn Leu Gly Glu Ala Tyr Glu Tyr Pro Thr
 35 1 5 10 15
 36 Phe Ile Gln Asp Leu Arg Asn Glu Leu Ala Lys Gly Thr Pro
 37 20 25 30
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 21
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Bougainvillaea Spectabilis
 45 <400> SEQUENCE: 2
 46 Glu Leu Gly Val Tyr Lys Leu Glu Phe Ser Ile Glu Ala Ile Trp Gly
 47 1 5 10 15
 48 Lys Thr Gln Asn Gly
 49 20
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 23
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: PCR primer 116 for Ribosome-inactivating protein,
 59 bouganin.
 61 <220> FEATURE:
 62 <221> NAME/KEY: misc_feature
 63 <222> LOCATION: 3, 6, 12, 15
 64 <223> OTHER INFORMATION: n = A,T,C or G

ENTERED

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66 <400> SEQUENCE: 3
W--> 67 ggngtncct tngcnagyt rtt 23
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 20
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: PCR primer 102 for Ribosome-inactivating protein,
76 bouganin.
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: 3, 9
81 <223> OTHER INFORMATION: n = A,T,C or G
83 <400> SEQUENCE: 4
W--> 84 ggngargcnt aygartaycc 20
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 65
88 <212> TYPE: DNA
89 <213> ORGANISM: Bougainvillaea Spectabilis
91 <400> SEQUENCE: 5
92 ggggaggcct acgagtatcc cacttttata caagatttgc gcaacgaact cgctaaagga 60
93 acccc 65
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 25
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: PCR primer 125 for Ribosome-inactivating protein,
102 bouganin.
104 <400> SEQUENCE: 6
105 cttttatata agatttgcgc aacga 25
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 20
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: PCR primer 197 for Ribosome-inactivating protein,
114 bouganin.
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: 6, 15, 18
119 <223> OTHER INFORMATION: n = A,T,C or G
121 <400> SEQUENCE: 7
W--> 122 aaytcnaryt trtancanc 20
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 363
126 <212> TYPE: DNA
127 <213> ORGANISM: Bougainvillaea Spectabilis
129 <220> FEATURE:

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130 <221> NAME/KEY: CDS
131 <222> LOCATION: (2)...(361)
133 <400> SEQUENCE: 8
134 t ttt ata caa gat ttg cgc aac gaa ttg gct aag ggc aca cca gta tgt 49
135   Phe Ile Gln Asp Leu Arg Asn Glu Leu Ala Lys Gly Thr Pro Val Cys
136     1           5           10          15
138 caa ctt cca gtg aca cta caa acc ata gcc gat gac aag cga ttt gtt 97
139 Gln Leu Pro Val Thr Leu Gln Thr Ile Ala Asp Asp Lys Arg Phe Val
140           20           25           30
142 cta gtt gat atc act acg acc tcg aag aaa aca gtt aag gtt gct ata 145
143 Leu Val Asp Ile Thr Thr Thr Ser Lys Lys Thr Val Lys Val Ala Ile
144           35           40           45
146 gat gtg aca gat gtg tat gtt gtg ggt tat caa gac aaa tgg gat ggc 193
147 Asp Val Thr Asp Val Tyr Val Val Gly Tyr Gln Asp Lys Trp Asp Gly
148           50           55           60
150 aaa gat cga gct gtt ttc ctt gac aag gtt cct act gtt gca act agt 241
151 Lys Asp Arg Ala Val Phe Leu Asp Lys Val Pro Thr Val Ala Thr Ser
152 65           70           75           80
154 aaa ctt ttc cca ggg gtg act aat cgt gta acg tta aca ttt gat ggc 289
155 Lys Leu Phe Pro Gly Val Thr Asn Arg Val Thr Leu Thr Phe Asp Gly
156           85           90           95
158 agc tat cag aaa ctt gtg aat gct gcc aaa gtg gat aga aag gat ctc 337
159 Ser Tyr Gln Lys Leu Val Asn Ala Ala Lys Val Asp Arg Lys Asp Leu
160           100          105          110
162 gaa ctg ggc gtc tac aaa ctc gag tt 363
163 Glu Leu Gly Val Tyr Lys Leu Glu
164           115          120
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 149
169 <212> TYPE: PRT
170 <213> ORGANISM: Bougainvillaea Spectabilis
172 <400> SEQUENCE: 9
173 Tyr Asn Thr Val Ser Phe Asn Leu Gly Glu Ala Tyr Glu Tyr Pro Thr
174 1           5           10          15
175 Phe Ile Gln Asp Leu Arg Asn Glu Leu Ala Lys Gly Thr Pro Val Cys
176           20           25           30
177 Gln Leu Pro Val Thr Leu Gln Thr Ile Ala Asp Asp Lys Arg Phe Val
178           35           40           45
179 Leu Val Asp Ile Thr Thr Thr Ser Lys Lys Thr Val Lys Val Ala Ile
180           50           55           60
181 Asp Val Thr Asp Val Tyr Val Val Gly Tyr Gln Asp Lys Trp Asp Gly
182 65           70           75           80
183 Lys Asp Arg Ala Val Phe Leu Asp Lys Val Pro Thr Val Ala Thr Ser
184           85           90           95
185 Lys Leu Phe Pro Gly Val Thr Asn Arg Val Thr Leu Thr Phe Asp Gly
186           100          105          110
187 Ser Tyr Gln Lys Leu Val Asn Ala Ala Lys Val Asp Arg Lys Asp Leu
188           115          120          125
189 Glu Leu Gly Val Tyr Lys Leu Glu Phe Ser Ile Glu Ala Ile Trp Gly

```

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190	130	135	140
191	Lys Thr Gln Asn Gly		
192	145		

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/11/2004

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Input Set : A:\Seqlist.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 3,6,12,15 ✓

Seq#:4; N Pos. 3,9 ✓

Seq#:7; N Pos. 6,15,18 ✓

VERIFICATION SUMMARY

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Input Set : A:\Seqlist.txt

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L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0